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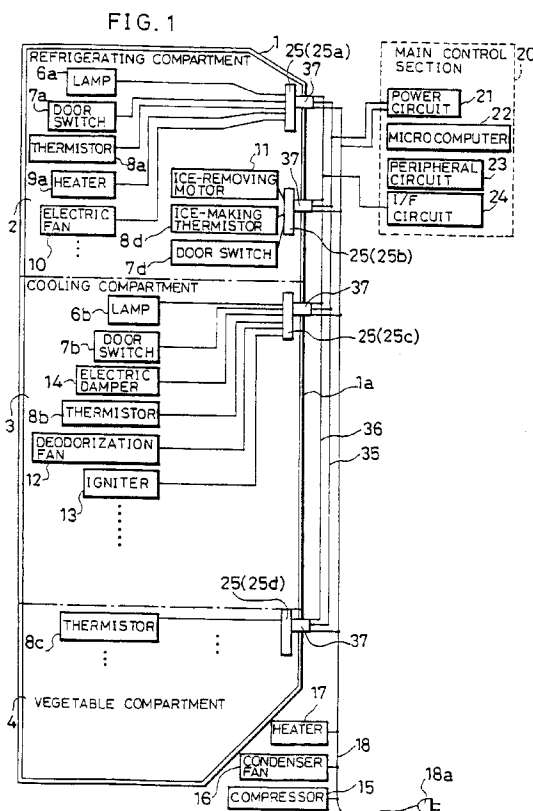
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(54) Communication system.

(57) A communication system of the present invention is provided in electric devices such as refrigerators including a plurality of output units such as electric fans, electric dampers, and output units such as sensors, thermistors, etc. The communication system is provided in the vicinity of the input and output units. The communication system includes a plurality of sub-control sections for controlling operations of the output units, a main control section for controlling the electric device by controlling operations of each sub-control section, a single communication-use cable for connecting the main control section and the sub-control sections so as to permit communications between them. Bidirectional communications between the main control section and each sub-control section are carried out through the communication-use cable. The above communication system permits a reduction in the number of cables required for connecting the main control section to the input and output units and simplified processes for routing the cables. As a result, compact size electric devices and reduction in manufacturing costs are enabled.



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EUROPEAN SEARCH REPORT

Application Number

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | EP 93306036.0 |
|---|--|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| A | <p><u>US - A - 4 970 871</u> (RUDICK) * Abstract; column 1, line 5 - column 2, line 6; fig. 8; claims 1,8,16 *</p> <p>--</p> | 1 | <p>G 08 C 13/00 F 25 D 17/04</p> |
| A | <p><u>US - A - 4 920 758</u> (JANKE et al.) * Abstract; column 1, line 5 - column 3, line 7; claims 1-5,10,12 *</p> <p>--</p> | | |
| A | <p><u>US - A - 4 924 680</u> (JANKE et al.)</p> <p>----</p> | | |
| | | | <p>TECHNICAL FIELDS SEARCHED (Int. Cl.5)</p> <p>F 25 D H 04 Q G 08 C</p> |
| The present search report has been drawn up for all claims | | | |
| Place of search VIENNA | | Date of completion of the search 27-03-1995 | Examiner GRÖSSING |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> | | <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>..... & : member of the same patent family, corresponding document</p> | |

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